

## 베체트씨 증후군 환자에서 이식 총목동맥에서 발생한 가성동맥류의 Stent-Graft 삽입 1례

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### Stent-Graft Repair of Common Carotid Pseudoaneurysms in Behcet's Syndrome

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#### ABSTRACT

We report on a patient with Behcet's syndrome who had two pseudoaneurysms at the junction of a saphenous vein graft and the native common carotid artery. He had experienced graft interposition due to the aneurysm rupture, but the saphenous vein was interpositioned due to the graft reobstruction. We successfully repaired the pseudoaneurysms with stent-graft. (**Korean Circulation J 1998;28(8):1404-1408**)

**KEY WORDS :** Behcet's syndrome · Carotid artery pseudoaneurysms · Stent-graft.

#### 서 론

(common carotid artery)  
(saphenous vein)  
stent - graft

#### 증 례

1 (aortitis), 30 1 (internal carotid artery)  
2 (external carotid artery)  
5 cm (aneurysm)가 (aneurysmectomy)  
(Goretex graft, diameter 6 mm, Gore,

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: 1998 8 21

: 120 - 752

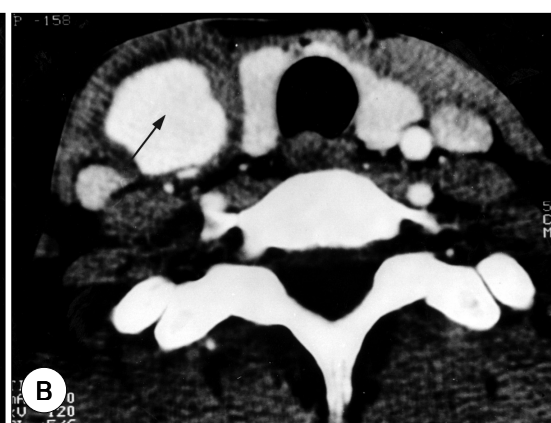
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Arizona, USA)

5  
3  
(mandible) (clavi-  
cle) 3 cm, 4 cm  
(aphtous)  
Eryt-  
hema nodosum  
ESR 35 mm/hr  
3 × 2 cm, 4 × 3 cm 가  
가  
(Fig. 1). 3  
2 cm,  
4 × 3 cm 2 가 가  
가  
(subclavian artery)  
(Fig. 2). (carotid artery angiog-  
raphy) 3  
가 가 (Fig. 3).



**Fig. 1.** A : Transaxial CT scan revealing a 3-cm, round lesion (arrow) in the right submandibular space. B : Transaxial CT scan revealing a 3-cm, round lesion (arrow) in the right supraclavicular space.

stent -

graft

Seldinger 6F sheath with  
hemostasis valve(DAIG, Minnetonka, MN)  
5Fr Headhunter  
cerebral catheter(Cook, Bloomington, USA)  
2 가 가 (Fig.  
5A, 6A). 0.035 - inch Terumo guide wire(Terumo,  
Tokyo, Japan) (innominate artery)



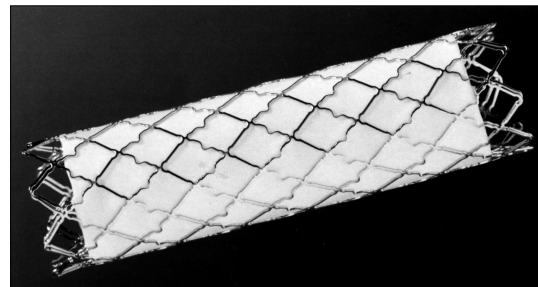
**Fig. 2.** Three-dimensional neck CT demonstrating two pseudoaneurysms (arrows) arising from the upper junction of the vein graft and native right common carotid artery and from the lower junction of vein graft and the bifucation of the internal and external carotid artery.

5Fr Headhunter cerebral catheter  
 , guide wire 4Fr multipurpose  
 catheter(Cook, Bloomington, USA) .  
 가  
 가 (neck)가  
 catheter가 , 0.014 - inch

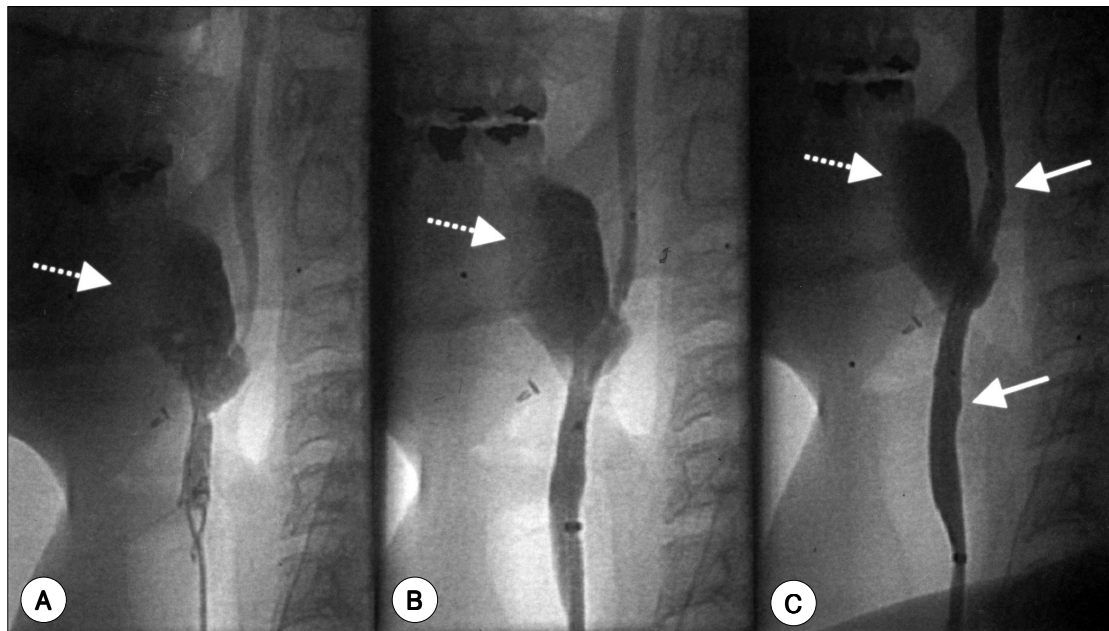
Choice PT guide wire(SCIMED, Wedgwood, MN)  
 catheter  
 0.014 - inch Choice PT guide wire guide  
 wire 0.018 - inch Roadrunner extrasupport cat -  
 heter exchange guide wire(Cook, Bloomington,  
 USA) .  
 sheath 7Fr carotid sheath(length  
 50cm : Cook, Bloomington, USA) .  
 가 JOMEDperipheral st -  
 ent graft(diameter 4 9 mm, length 38 mm)  
 (Fig. 4). 가 Sym - me -  
 try balloon cat - heter(diameter 5 mm and 6 mm, le -



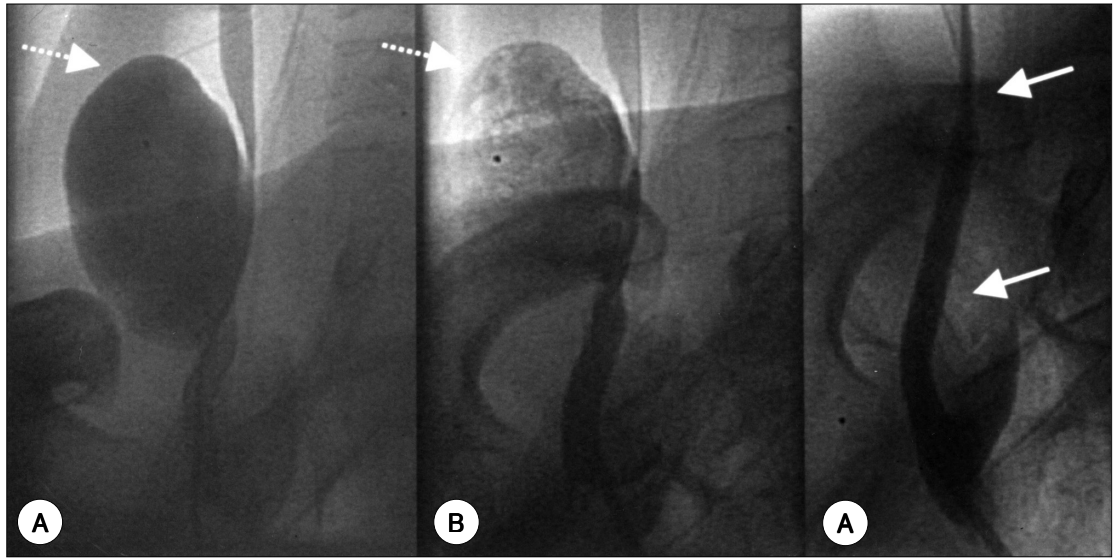
**Fig. 3.** Right carotid arteriogram demonstrating two pseudoaneurysms (arrows).



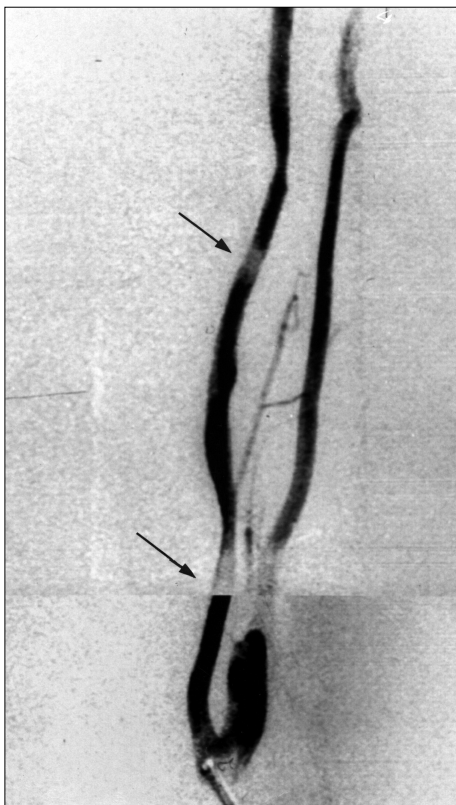
**Fig. 4.** JOSTENT peripheral stent graft.



**Fig. 5.** Intraoperative fluoroscopic image of the upper pseudoaneurysm : A. The upper saphenous vein graft pseudoaneurysm (broken arrow) is densely opacified. B. The stent was advanced to the entry site of the pseudoaneurysm. C. The JOSTENT peripheral stent graft had been deployed at the upper pseudoaneurysm (between upper and lower arrows). The pseudoaneurysm was stained due to isolated dye after stent deployment.



**Fig. 6.** Intraoperative fluoroscopic image of the lower pseudoaneurysm : A. The lower saphenous vein graft pseudoaneurysm(broken arrow) is densely opacified. B. The stent was advanced to the entry site of the pseudoaneurysm. C. The JOSTENTperipheral stent graft had been deployed at the lower pseudoaneurysm(between upper and lower arrows).



**Fig. 7.** DSA image after stent deployment shows no pseudoaneurysms. Two arrows indicate previous sites of the pseudoaneurysms.

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60 가

(Fig. 5B - C, 6B - C).

Digital Su -

btraction Angiography(DSA)

가

7). 가

(steroid) azathioprine

가

6

고 안

가

가

5 - 10)

가

가

가



, 가  
(coil) 가  
(neck)가 ,  
stentgraft  
noncovered  
(3 mm)  
Palmaz stent(Johnson & Johnson, Warren, NJ)  
가  
noncovered 8  
14) noncovered  
stent - graft  
JOSTENTperipheral stent graft(Jomed, Rangen -  
dingen, Germany)가 , stent - graft  
가 , 가  
polytetrafluoroethylene(PTFE)  
(Fig. 4). PTFE  
, 가  
heparin  
가  
Stent - graft as -  
pirin ticlopidin stent - graft 48  
colchicine, azathioprine,  
cyclosporine, steroid  
, cyclosporine, azat -  
hioprine, steroid  
Interferon - gamma 60%  
, 20%  
3)15)  
가 aza -  
thio - prine steroid

stent - graft  
가 가 가  
중심 단어 : 가 St -  
ent - graft.

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